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September 27, 2005

Mr. Carl Morgan  
Leon County Facilities Management  
301 South Monroe Street  
Tallahassee, FL 32301

Re: Courthouse/Bank of America Utility Road Crossing  
HH Project No. 05-01

Dear Carl:

The intent of this letter is to update our recommendations regarding the method to perform the crossing of Calhoun Street with chilled water piping heating, heating hot water piping and telecommunications conduits.

The design is based on jack and bore of 5-16" pipe sleeves under the roadway. As you are aware, the roadway contains numerous underground utilities including telephone, sewer, water, gas and electrical. A survey team was hired by the County to locate these utilities using ground penetrating radar and vacuum assisted pothole evacuation. Location and depth of all known utilities were recorded.

The project was designed on a fast-track basis and after the bidding process, Vause Mechanical suggested that an open cut road crossing be used instead of the jack and bore method. The reason behind this suggestion are primarily the risk of damaging existing utilities. A major concern is also the prospect of encountering unknown utilities.

In the event that any utilities are damaged by the jack and bore process an open cut will be required to effect a repair. A broken water main could also cause extensive subsurface erosion. Damage to telecommunication cables could possibly cause a loss of phone service to a large portion of southern Leon County and to Wakulla County.


An open cut road crossing should minimize the potential for damage to any existing utilities and if damage occurs should make it easier to locate and repair the defect.

Our recommendation is to utilize an open cut road crossing and work to minimize the time needed for the road closure.

Please let me know if you have any questions.

Sincerely,

Hines, Hartman & Associates, Inc.



Michael S. Hartman, P.E.  
President

MSH/dbo